REMARKS

Claims 1-31 are pending in the present application. Claims 1, 2, 4 and 6 have been amended, and new claims 7-31 have been added.

No new matter has been added. Reconsideration and allowance are respectfully requested in view of the following remarks.

Preliminary Matters

The Examiner states that if applicant desires to claim the benefit of a prior-filed application under 35 U.S.C. § 120, a specific reference to the prior-filed application in compliance with 37 C.F.R. § 1.78(a) must be included in the first sentence of the specification.

For clarification purpose, the specification is amended to insert a first paragraph that provides that this application is a Continuation Application of Application No. 09/172,942, filed October 14, 1998.

Specification

The title is objected to for informalities. Specifically, the Examiner states that the articles "a", "an", and "the" should not be included as the first words of the title.

The title is amended for clarification. Withdrawal of the objection to the title is respectfully requested.

The disclosure is objected to for informalities. Specifically, the Examiner notes grammatical errors in the paragraphs respectively bridging pages 5 and 6, and pages 9 and 10.

The disclosure is amended for clarification. Withdrawal of the objection to the disclosure is respectfully requested.

Claim Rejections Under 35 U.S.C. § 112

Claims 1-3 are rejected under 35 U.S.C. § 112, second paragraph, for being allegedly indefinite. Specifically, the Examiner contends that there is insufficient antecedent basis for the recitation "said reply" in claim 1 and the recitation "said process call level requests and replies" in claim 2.

Claims 1 and 2 are amended for clarification. Withdrawal of the rejections of claims 1-3 under 35 U.S.C. § 112, second paragraph, is respectfully requested.

Claim Rejections Under 35 U.S.C. § 102

Claims 1-3 and 6 are rejected under 35 U.S.C. §102(b) as being allegedly anticipated by Sun Microsystems, Inc. , Java Distributed Object Model (JDOM), February 10, 1997, pages 1-22 (hereinafter "JDOM").

Applicant respectfully submits that JDOM fails to teach or suggest each feature of the claims.

According to the present disclosure, objects are included on a server machine, which resides on a chip or a smart card. A proxy on a client is implemented as a communication gateway between the client and the objects on the server. A reader communicates messages between the client and the chip or the smart card with the messages being formatted according to certain communication protocols, e.g., International Standards Organization specification ISO 7816.

The above features are broadly encompassed in claim 1, which recites generating a local object at the client machine operable as a proxy to a remote object resident at the server machine; said server machine residing in a smart device; and said client machine having access to the smart device via a smart device reader.

Since the time of filing parent Application No. 09/172,942, devices other than cards have been developed that function with the smart card operating system, in accordance with the ISO standard. These other devices can also be used to implement the disclosed features of the invention. Examples of these other types of smart devices include dongles and USB keys. The pending claims are intended to cover these other devices, as well as smart cards themselves.

JDOM relates to JAVA remote method invocation (RMI). Referring to the Figure on page 17, JDOM discloses an RMI system consisting of three layers: the stub layer, the remote reference layer and the transport layer. An RMI from a client to a remote server object travels down through the layers of the RMI system to the client-side transport, then up through the server-side transport to the server.

JDOM discloses an RMI system consisting of a client and a server. JDOM, however, does not contain any disclosure that the server resides in a smart device, e.g., a smart card, and that a client machine has access to the smart device via a smart device reader, as described in claim 1.

In view of the foregoing, claim 1 is patentable. Claims 2-3 are patentable at least because of their dependency. Claim 6 is patentable for reasons analogous to those provided above for claim 1.

Claim Rejections Under 35 U.S.C. § 103

Claim 4 is rejected under 35 U.S.C. §103(a) as being allegedly unpatentable over JDOM in view of alleged Applicant admitted Prior Art of processing methods and messages exclusively in the form of byte level strings (hereinafter the "Byte Level String APA").

Claim 4 is patentable for reason analogous to those provided above for claim 1, and because the Byte Level String APA fails to remedy the above-noted deficiencies of JDOM.

Claim 5 is rejected under 35 U.S.C. §103(a) as being allegedly unpatentable over JDOM in view of alleged Applicant admitted Prior Art that the remote object is an applet (hereinafter the "Applet APA").

Claim 5 is patentable for reason analogous to those provided above for claim 1, and because the Applet APA fails to remedy the above-noted deficiencies of JDOM.

New Claims

Claims 7-31 are added to more particularly describe the invention. Support for claims 7-9 can be found at least in page 8, lines 10-20 of the specification. Support for claims 10-13 can be found at least in page 10, lines 11-19 of the specification. Support for claims 14-28 can be found generally throughout the specification. Claims 7-13 are patentable at least because of their dependency from claim 1. Claims 14-28 are patentable at least because they describe a smart device applet that is invoked by a single-command APDU sent from an application on a remote client via an applet proxy, which is not taught or suggested in JDOM or any

alleged Admitted Prior Art. Support for claims 29-31 can be found at least in the first and second paragraphs of the specification.

C O N C L U S I O N

From the foregoing, further and favorable action in the form of a Notice of Allowance is respectfully requested and such action is earnestly solicited.
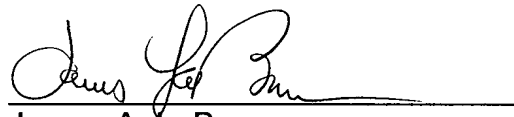
In the event that there are any questions concerning this amendment, or the application in general, the Examiner is respectfully requested to telephone the undersigned so that prosecution of present application may be expedited.

Respectfully submitted,

BUCHANAN INGERSOLL & ROONEY PC

Date: December 26, 2007   By:

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